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(54) **Swivelling snaphook**

(57) A swivelling snaphook (10) is provided including a retainer (14) rotatably connected with a hook member (12). The retainer (14) includes a receptacle (30), two converging bars (32,34) joined to opposite sides of the receptacle (30), and a base bar (36) connecting the ends of the converging bars (32,34) distal to the recep-

tacle (30). The receptacle (30) includes an internal wall (42) defining an orifice (44) extending through the receptacle (30). The internal wall (42) includes three resiliently deformable projection segments (176) extending into the orifice (44). The hook member (12) includes a hook body (18) and an insertion member (22) for insertion into the orifice (44) of the receptacle (30).

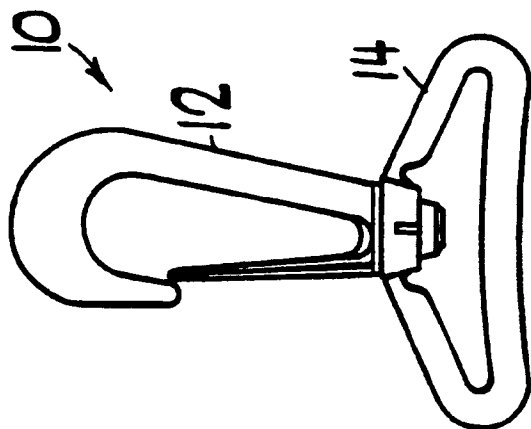


FIG.1

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EUROPEAN SEARCH REPORT

Application Number
EP 95 30 5150

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X A	US-A-5 146 657 (FRANO) * the whole document *	1,16 3,5, 10-15, 17,18	F16B45/02
X,D A	--- EP-A-0 588 537 (NATIONAL MOLDING CORP.) * the whole document *	1,16 2,3,5, 10-15, 17,18	
A	--- FR-A-2 593 569 (I.T.W. DE FRANCE) * the whole document *	1-3,5, 10-13, 16,18	
A	--- US-A-1 595 054 (BALLOU) * the whole document *	4,6-9	
A	--- US-A-3 712 655 (FUEHRER) * the whole document *	1-3	
A	--- US-A-3 394 747 (DUFFY) * the whole document * -----	1,6-9	TECHNICAL FIELDS SEARCHED (Int.Cl.6) F16B F16G
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 26 September 1996	Examiner Richards, T
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			

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